MCG3 series Lift / Turntable TRIPLE-GUIDE CYLINDER





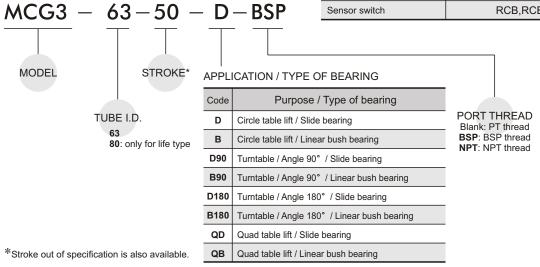
Features:

- Three guide rods equally spaced in the aluminum body provide more space saving and eliminate the directionality of the unbalanced load.
- Conveyor line's productivity increases.
- By connecting with the Rotary actuator, can be used as a Automatic turn lifter.

Specification:

Model	МС	G3			
Model (Stop type view)	(Lift type)	(Turntable type)			
Acting type	Double acting				
Tube I.D.(mm)	63	80			
Port size Rc(PT)	1/4	3/8			
Standard stroke	30, 50, 75	5, 100 mm			
Medium	A	ir			
Operating pressure range	1~9.9	kgf/cm ²			
Proof pressure	15 kgf/cm ²				
Ambient temperature	-5~+60°C (No freezing)				
Lubrication	Not required				
Cushion	With rubber cushion pad				
Sensor switch	RCB,RC	CE,RCE1			

Order example:

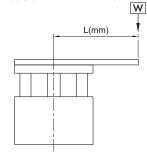


MCG3 Lift / Turntable \$\$\phi 63, \$\$0\$ TRIPLE-GUIDE CYLINDER



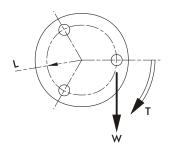
Allowable eccentric load :

(at supply pressure 0.5MPa)



Shows the dynamic allowable value at L(mm) eccentricity from the center of the guide rod.

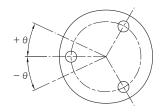
Allowable rotating torque :



Shows the dynamic allowable value, when actuating the cylinder with a rotating torque T at the guide rods' top.

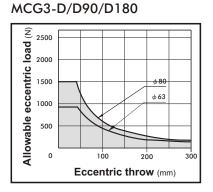
(N.m) Stroke (mm) Tube I.D. Bearing type 100 30 50 Slide bearing 13.2 12.7 7.6 **φ63** Linear bush bearing 13.5 12.7 8.8

Anti-roll accuracy :

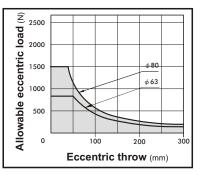


Tube I.D.Bearing typeAnti-roll accuracy
 θ ϕ 63Slide bearing $\pm 0.07^{\circ}$
 $\pm 0.03^{\circ}$

The values are the deflection angle against the piston rod.

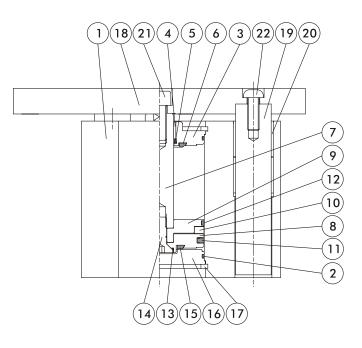


MCG3-B/B90/B180





MCG3 Inside structure & Parts list

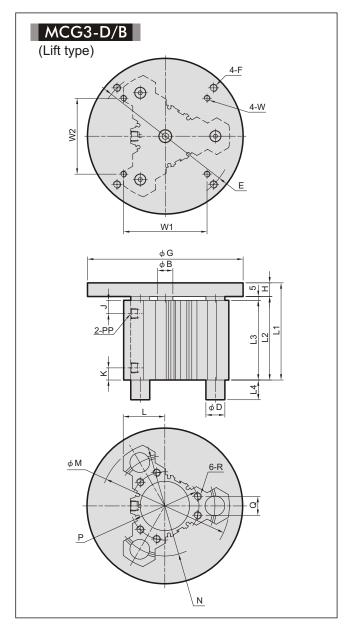


Material

No.	Part name	Material
1	Body	Aluminum alloy
2	Cover ring	NBR
3	Rod cover	Aluminum alloy
4	Rod bush	Copper
5	Rod packing	NBR
6	Rod cushion	NBR
7	Piston rod	Carbon steel
8	Piston	Aluminum alloy
9	Piston for magnet ring	Aluminum alloy
10	Magnet ring	Magnet material
11	Piston packing	NBR
12	Wear ring	Teflon
13	Piston gasket	NBR
14	Screw	Carbon steel
15	Head cushion	NBR
16	End cover	Aluminum alloy
17	Snap ring	Carbon tool steel
18	Plate	Carbon steel
19	Guide rod	Carbon steel
20	Guide rod bush	Copper
21	Screw for piston rod	Carbon steel
22	Screw for guide rod	Carbon steel

MCG3 Lift / Turntable φ63, φ80 TRIPLE-GUIDE CYLINDER



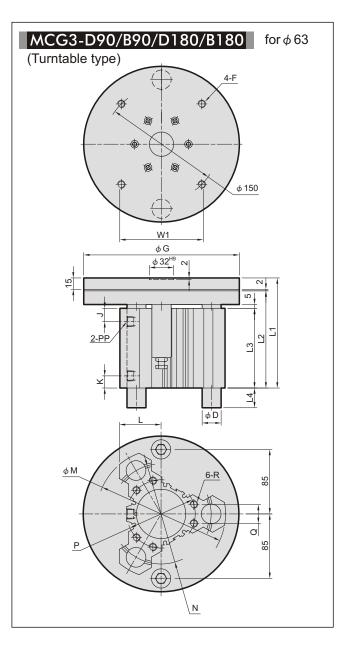


MCG3-D/B

Code Tube I.D.	В	E	F	G	Н	J	κ	L	М	N	Р	PP	Q	R	W	W1	W2
63	20	P.C.D180	M10×1.5	205	18	17.5	16	54.8	170	P.C.D132	P.C.D90	PT1/4	25	$M10\!\times\!1.5\!\times\!23depth$	$M8 \times 1.25$	110	100
80	25	P.C.D190	M10×1.5	220	18	17.5	16	61.2	190	P.C.D150	P.C.D106	PT3/8	32	M10×1.5×23depth	M8×1.25	110	100

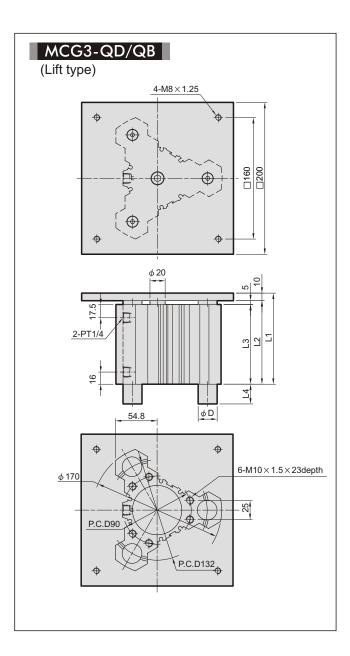
		L	.1		L2				L3			
Tube I.D.					5	Stroke	e (mm)				
1.0.	30	50	75	100	30	50	75	100	30	50	75	100
63	108	128	153	178	90	110	135	160	85	105	130	155
80	118	138	163	188	100	120	145	170	95	115	140	165

Tube	L	4	ϕ D			
I.D.	MCG3-D	MCG3-B	MCG3-D	MCG3-B		
63	0	26	φ25	φ16		
80	0	25	φ28	φ20		



Μ	MCG3-D90/B90/D180/B180										
			L1			L2			L3		
	Tube I.D.	Stroke (mm)									
	1.0.	30	50	100	30	50	100	30	50	100	
	63	125	145	195	108	128	178	85	105	155	
_											
٦	Tube	L4 φ D									
	I.D.	D90 /	D18) B90	/ B18	30 D9	0 / D1	80 E	890 / B	180	
	63		0		26		φ25		φ16		





MCG3-QD/QB

Tube I.D.	Stroke (mm)	L1	L2	L3			
	30	100	90	85			
63	50	120	110	105			
03	75	145	135	130			
	100	170	160	155			
Tube	L	_4	$\phi \mathbf{D}$				
I.D.	MCG3-QD	MCG3-QB	MCG3-QD	MCG3-QB			
63	0	26	φ25	φ16			

